INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/10220

		7,000 17 10220
A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : C10G 35/095; C07C 5/22, 5/23, 5/25, 5/27, 5/29, 5/31		
TIS CT. : 208/135, 138: 585/666, 671, 739, 481		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
U.S.: 208/135, 138; 585/666, 671, 739, 481		
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Documentation searched other than minimum documentation to the extent that does document		
(some of data base and where practicable, search terms used)		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
EAST search terms: hydrocarbon, isomerization, ferrierite, water, aqueous, catalyst, treat, activate, ZSM-35, submerge		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
	appropriate of the relevant	passages Relevant to claim No.
Category * Citation of document, with indication, where	15 00 1002) polices 2 1500	
X US 4,374,296 A (HAAG et al) 15 February 1983 (13.02.1363), COLUMN 2, 1100	
column 4, line 2; column 6, lines 16-20, 31-33, an	column 4, line 2; column 6, lines 16-20, 31-33, and 56-60; column 7, line 60 through column 11, line 11; 8-12, 16, 23, 24, 26,	
A column 8, line 23; column 9, lines 13-20; column	column 8, line 23; column 9, lines 13-20; column 10, line 30 talough column 1-7	
and claims 1-6, 11, 13, and 14.		
A US 4,326,994 A (HAAG et al) 27 April 1982 (27.0	US 4,326,994 A (HAAG et al) 27 April 1982 (27.04.1982).	
		1-27
A US 4,418,235 A (HAAG et al) 29 November 1983	US 4,418,235 A (HAAG et al) 29 November 1983 (29.11.1983).	
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Further documents are listed in the continuation of Box C.	See patent fan	
Special categories of cited documents:	"T" later document p	iblished after the international filing date or priority
	date and not in c	onflict with the application but cited to understand the y underlying the invention
"A" document defining the general state of the art which is not considered to be	·	
of particular relevance	"X" document of part	icular relevance; the claimed invention cannot be
"E" earlier application or patent published on or after the international filing dat	e considered novel	or cannot be considered to involve an inventive step
	Witch the docum	ent is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as	"Y" document of par	icular relevance; the claimed invention cannot be
specified)	eensidered to in	olve an inventive step when the document is ne or more other such documents, such combination
	combined with o	a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the	"&" document memb	er of the same patent family
priority date claimed		
Date of the actual completion of the international search	Date of mailing of the i	nternational search report
Date of the actual completion of the international	27 AUG	211U 4 .
24 August 2004 (24.08.2004)		
Name and mailing address of the ISA/US	Authorized officer	1
Mail Stop PCT, Attn: ISA/US	Walter D. Griffin	1 Whitele
Commissioner for Patents		
P.O. Box 1450	Telephone No. 571-27	2-1700 AG
Alexandria, Virginia 22313-1450 Bacsimile No. (703):305-3230	-	- <i>v</i>
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